WE CLAIM:

1. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

2. The composition according to claim 1, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

3. The composition according to claim 2, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

4. The composition according to claim 3, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

5. The composition according to claim 4, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

6. The composition according to claim 2, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

7. The composition according to claim 6, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

8. The composition according to claim 7, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35%

of the total number of all ester and hetero atom groups in the at least one structuring polymer.

9. The composition according to claim 2, wherein said at least one terminal fatty chain is functionalized.

10. The composition according to claim 2, wherein said at least one pendant fatty chain is functionalized.

11. The composition according to claim 2, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

12. The composition according to claim 11, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

13. The composition according to claim 1, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

14. The composition according to claim 13, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

15. The composition according to claim 14, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

16. The composition according to claim 15, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.

17. The composition according to claim 16, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.

18. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

19. The composition according to claim 18, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.

20. The composition according to claim 1, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

21. The composition according to claim 1, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

22. The composition according to claim 21, wherein said at least one hetero atom is a nitrogen atom.

23. The composition according to claim 21, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

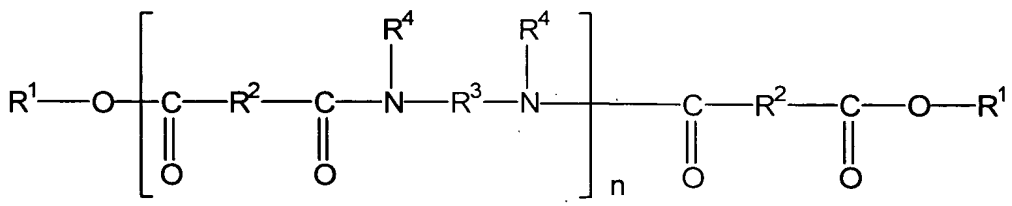
24. The composition according to claim 23, wherein said at least one hetero atom group further comprises a carbonyl group.

25. The composition according to claim 23, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

26. The composition according to claim 25, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

27. The composition according to claim 25, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

28. The composition according to claim 1, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



(I)

in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R^1, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R^2, which are identical or different, are each chosen from C_4 to C_{42} hydrocarbon-based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon-based groups;
- R^3 , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R^3 comprises at least 2 carbon atoms; and
- R^4, which are identical or different, are each chosen from hydrogen atoms, C_1 to C_{10} alkyl groups and a direct bond to at least one group chosen from R^3 and another R^4 such that when said at least one group is chosen from another R^4, the nitrogen atom to which both R^3 and R^4 are bonded forms part of a heterocyclic structure defined in part by R^4-N-R^3, with the proviso that at least 50% of all R^4 are chosen from hydrogen atoms.

29. The composition according to claim 28, wherein in said formula (I), n is an integer ranging from 1 to 5.

30. The composition according to claim 29, wherein in said formula (I), n is an integer ranging from 3 to 5.

31. The composition according to claim 28, wherein in said formula (I), said alkyl groups of R^1 and said alkenyl groups of R^1 each independently comprise from 4 to 24 carbon atoms.

32. The composition according to claim 31, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{12} to C_{22} alkyl groups.

33. The composition according to claim 32, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{16} to C_{22} alkyl groups.

34. The composition according to claim 28, wherein in said formula (I), R^2, which are identical or different, are each chosen from C_{10} to C_{42} hydrocarbon based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon based groups.

35. The composition according to claim 34, wherein at least 75% of all R^2, which are identical or different, are chosen from C_{30} to C_{42} hydrocarbon based groups.

36. The composition according to claim 28, wherein in said formula (I), R^3, which can be identical or different, are each chosen from C_2 to C_{36} hydrocarbon-based groups and polyoxyalkylene groups.

37. The composition according to claim 36, wherein R^3, which can be identical or different, are each chosen from C_2 to C_{12} hydrocarbon-based groups.

38. The composition according to claim 28, wherein in said formula (I), R^4, which can be identical or different, are each chosen from hydrogen atoms.

39. The composition according to claim 28, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

40. The composition according to claim 1, wherein said at least one structuring polymer has a softening point greater than 50°C.

41. The composition according to claim 40, wherein said at least one structuring polymer has a softening point ranging from 65°C to 190°C.

42. The composition according to claim 41, wherein said at least one structuring polymer has a softening point ranging from 70°C to 130°C.

43. The composition according to claim 42, wherein said at least one structuring polymer has a softening point ranging from 80°C to 105°C.

44. The composition according to claim 1, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

45. The composition according to claim 44, wherein said at least one structuring polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

46. The composition according to claim 45, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

47. The composition according to claim 1, wherein said composition has a hardness ranging from 30 to 300 g.

48. The composition according to claim 47, wherein said composition has a hardness ranging from 30 to 250 g.

49. The composition according to claim 48, wherein said composition has a hardness ranging from 30 to 200 g.

50. The composition according to claim 1, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

51. The composition according to claim 50, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

52. The composition according to claim 51, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula R_5COOR_6 in which R_5 is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and $R_5 + R_6 \geq 10$;
- synthetic ethers containing from 10 to 40 carbon atoms;
- C_8 to C_{26} fatty alcohols; and
- C_8 to C_{26} fatty acids.

53. The composition according to claim 51, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

54. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

55. The composition according to claim 54, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

56. The composition according to claim 1, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

57. The composition according to claim 56, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

58. The composition according to claim 57, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

59. The composition according to claim 58, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

60. The composition according to claim 1, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

61. The composition according to claim 60, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

62. The composition according to claim 61, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

63. The composition according to claim 62, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

64. The composition according to claim 1, further comprising at least one gum.

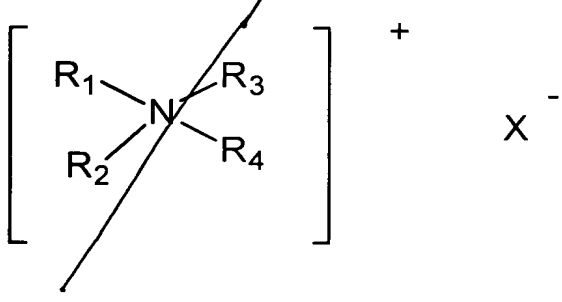
65. The composition according to claim 64, wherein said at least one gum is chosen from alkylated guar gums

66. The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds and fatty amines.

67. The composition according to claim 66, wherein said quaternary ammonium compounds are chosen from salts of quaternary ammonium compounds.

68. The composition according to claim 66, wherein said fatty amines are chosen from salts of fatty amines.

69. The composition according to claim 66, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



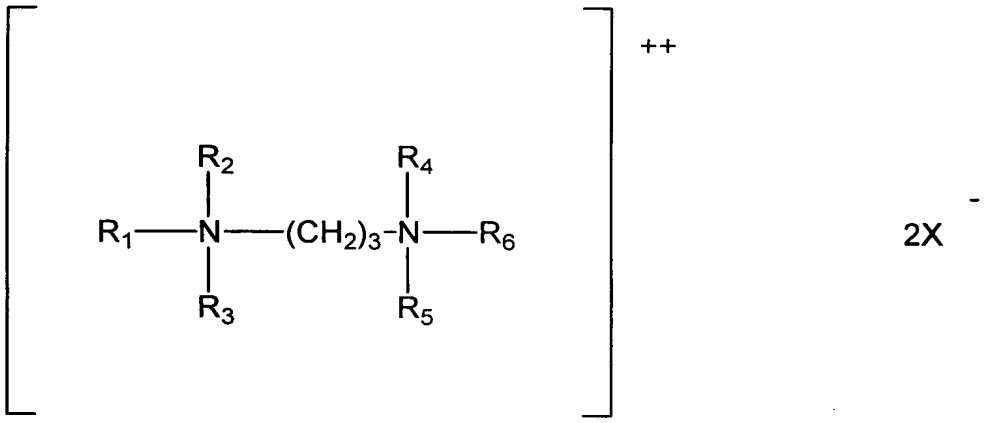
wherein R_1, R_2, R_3, and R_4 are each independently chosen from an aliphatic

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group of from 1 to 22 carbon atoms, C_1-C_3 alkyls, hydroxyalkyls, polyalkoxys, aromatic groups having from 12 to 22 carbon atoms, aryl groups having from 12 to 22 carbon atoms, and alkylaryl groups having from 12 to 22 carbon atoms; and

X is chosen from halogen, acetate, phosphate, nitrate, and alkylsulfate radicals.

70. The composition according to claim 66, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R_1 is an aliphatic group having from 16 to 22 carbon atoms; R_2, R_3, R_4, R_5, and R_6 are independently chosen from hydrogen and alkyl having from 1 to 4 carbon atoms; and X is chosen from halogens, acetates, phosphates, nitrates, and alkyl sulfate radicals.

71. The composition according to claim 70, wherein said quaternary ammonium salt is tallow propane diammonium dichloride.

72. The composition according to claim 67, wherein said salts of quaternary ammonium compounds are chosen from dialkyldimethyl-ammonium chlorides; ditallowdimethyl ammonium chloride; ditallowdimethyl ammonium methyl sulfate; dihexadecyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium chloride; dioctadecyl dimethyl ammonium chloride; dieicosyl dimethyl ammonium chloride; didocosyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium acetate; dihexadecyl dimethyl

ammonium chloride, dihexadecyl dimethyl ammonium acetate; ditallow dipropyl ammonium phosphate; ditallow dimethyl ammonium nitrate; di(coconutalkyl) dimethyl ammonium chloride; diceltyl dimethyl ammonium chloride; stearyl dimethyl benzyl ammonium chloride; behenyl trimethyl ammonium chloride; and di-(hydrogenated tallow) dimethyl ammonium chloride.

73. The composition according to claim 66, wherein said fatty amines are chosen from salts of primary fatty amines, secondary fatty amines, and tertiary fatty amines.

74. The composition according to claim 66, wherein said fatty amines comprise alkyl groups having from 12 to 22 carbon atoms.

75. The composition according to claim 74, wherein said fatty amines are substituted.

76. The composition according to claim 66, wherein said fatty amines are chosen from stearamido propyl dimethyl amine, diethyl amino ethyl stearamide, dimethyl stearamine, dimethyl soyamine, soyamine, tridecyl amine, ethyl stearylamine, ethoxylated stearylamine, dihydroxyethyl stearylamine, and arachidylbehenylamine.

77. The composition according to claim 68, wherein said salts of fatty amines are chosen from halogens, actetates, phosphates, nitrates, citrates, lactates, and alkyl sulfates.

78. The composition according to claim 77, wherein said salts of fatty amines are chosen from stearylamine hydrochloride, soyamine chloride, stearylamine formate, N-tallowpropane diaminedichloride, and stearamidopropyl dimethylamine citrate.

79. The composition according to claim 66, wherein said quaternary ammonium compounds are chosen from quaternary imidazolinium compounds.

80. The composition according to claim 79, wherein said quaternary imidazolinium compounds are chosen from 1-methyl-1-[(stearoylamide)ethyl]-2-heptadecyl-4,5-dihydroimidazolinium chloride,

1-methyl-1-[(palmitoylamide)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride and

1-methyl-1-[(tallowamide)-ethyl]-2-tallow-imidazolinium methyl sulfate.

81. The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

82. The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 10% by weight of the total weight of said composition.

83. The composition according to claim 82, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 5.0% by weight relative to the weight of the composition.

84. The composition according to claim 83, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.5% to 2.0% by weight relative to the weight of the composition.

85. The composition according to claim 1, wherein the composition is in a form chosen from a fluid gel, rigid gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

86. The composition according to claim 1, wherein said composition is a solid.

87. The composition according to claim 86, wherein said composition is a solid chosen from molded and poured sticks.

88. The composition according to claim 1, further comprising at least one fatty alcohol.

89. The composition according to claim 88, wherein said at least one fatty alcohol is chosen from C_8 to C_{26} fatty alcohols.

90. The composition according to claim 89, wherein said at least one fatty alcohol is chosen from C_{12} to C_{20} fatty alcohols.

91. The composition according to claim 90, wherein said C_{12} to C_{20} fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

92. The composition according to claim 88, wherein the at least one

fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition

93. The composition according to claim 92 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

94. The composition according to claim 93 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

95. The composition according to claim 1, further comprising at least one oil-soluble polymer.

96. The composition according to claim 95, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

97. The composition according to claim 95 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

98. The composition according to claim 97, wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

99. The composition according to claim 98, wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

100. A composition according to claim 1, further comprising at least one oil-soluble ester.

101. The composition according to claim 100 wherein the at least one oil-soluble ester comprises at least one free hydroxy group.

102. The composition according to claim 100 wherein the at least one oil-soluble ester is not castor oil.

103. The composition according to claim 100 wherein the at least one oil-soluble ester is present in a concentration ranging from 10% to 84% by weight, relative to the weight of the composition.

104. The composition according to claim 103 wherein the at least one

oil-soluble ester is present in a concentration ranging from 20% to 70% by weight, relative to the weight of the composition.

105. The composition according to claim 1, further comprising at least one wax.

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106. The composition according to claim 105 wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides

107. The composition according to claim 105, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

108. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:

a polymer skeleton which comprises at least one amide repeating unit; and

(ii) at least one oil-soluble cationic surfactant.

109. The composition according to claim 108, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

110. The composition according to claim 109, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

111. The composition according to claim 110, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

112. The composition according to claim 111, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

113. The composition according to claim 109, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

114. The composition according to claim 113, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

115. The composition according to claim 114, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

116. The composition according to claim 109, wherein said at least one terminal fatty chain is functionalized.

117. The composition according to claim 109, wherein said at least one pendant fatty chain is functionalized.

118. The composition according to claim 109, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

119. The composition according to claim 118, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

120. The composition according to claim 108, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 100,000.

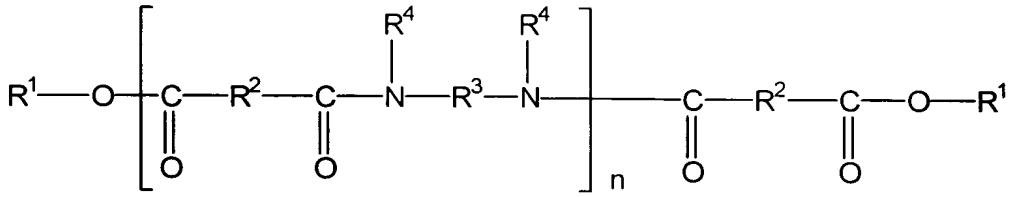
121. The composition according to claim 120, wherein said at least one polyamide polymer has a weight-average molecular mass of less than 50,000.

122. The composition according to claim 121, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 1000 to 30,000.

123. The composition according to claim 122, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 20,000.

124. The composition according to claim 123, wherein said at least one polyamide polymer has a weight-average molecular mass ranging from 2000 to 10,000.

125. The composition according to claim 108, wherein said at least one polyamide polymer is chosen from polyamide polymers of formula (I):



(I)

in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R^1, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R^2, which are identical or different, are each chosen from C_4 to C_{42} hydrocarbon-based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon-based groups;
- R^3 , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms

and nitrogen atoms with the proviso that R^3 comprises at least 2 carbon atoms; and

- R^4, which are identical or different, are each chosen from hydrogen atoms, C_1 to C_{10} alkyl groups and a direct bond to at least one group chosen from R^3 and another R^4 such that when said at least one group is chosen from another R^4, the nitrogen atom to which both R^3 and R^4 are bonded forms part of a heterocyclic structure defined in part by R^4-N-R^3, with the proviso that at least 50% of all R^4 are chosen from hydrogen atoms.

126. The composition according to claim 125, wherein in said formula (I), n is an integer ranging from 1 to 5.

127. The composition according to claim 126, wherein in said formula (I), n is an integer ranging from 3 to 5.

128. The composition according to claim 125, wherein in said formula (I), said alkyl groups of R^1 and said alkenyl groups of R^1 each independently comprise from 4 to 24 carbon atoms.

129. The composition according to claim 128, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{12} to C_{22} alkyl groups.

130. The composition according to claim 129, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{16} to C_{22} alkyl groups.

131. The composition according to claim 125, wherein in said formula (I), R^2, which are identical or different, are each chosen from C_{10} to C_{42} hydrocarbon based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon based groups.

132. The composition according to claim 131, wherein at least 75% of all R^2, which are identical or different, are chosen from C_{30} to C_{42} hydrocarbon based groups.

133. The composition according to claim 125, wherein in said formula (I), R^3, which can be identical or different, are each chosen from C_2 to C_{36} hydrocarbon-based groups and polyoxyalkylene groups.

134. The composition according to claim 133, wherein R^3, which can be identical or different, are each chosen from C_2 to C_{12} hydrocarbon-based groups.

135. The composition according to claim 125, wherein in said formula (I), R^4, which can be identical or different, are each chosen from hydrogen atoms.

136. The composition according to claim 125, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

137. The composition according to claim 108, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

138. The composition according to claim 137, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

139. The composition according to claim 138, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

140. The composition according to claim 139, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

141. The composition according to claim 137, wherein said at least one amine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

142. The composition according to claim 108, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

143. The composition according to claim 142, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

144. The composition according to claim 108, wherein said at least one polyamide polymer is chosen from:

- polymers chosen from mixtures of copolymers derived from monomers of (i) C_{36} diacids and (ii) ethylenediamine, and having a weight-average molecular mass of about 6000;

- polyamide polymers resulting from the condensation of at least one aliphatic dicarboxylic acid and at least one diamine, the carbonyl and amine groups being condensed via an amide bond; and

- polyamide resins from vegetable sources.

145. The composition according to claim 108, wherein said at least one polyamide polymer has a softening point greater than 50°C.

146. The composition according to claim 145, wherein said at least one polyamide polymer has a softening point ranging from 65°C to 190°C.

147. The composition according to claim 146, wherein said at least one polyamide polymer has a softening point ranging from 70°C to 130°C.

148. The composition according to claim 147, wherein said at least one polyamide polymer has a softening point ranging from 80°C to 105°C.

149. The composition according to claim 108, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

150. The composition according to claim 149, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 2% to 60% by weight relative to the total weight of the composition.

151. The composition according to claim 150, wherein said at least one polyamide polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

152. The composition according to claim 108, wherein said composition has a hardness ranging from 30 to 300 g.

153. The composition according to claim 152, wherein said composition has a hardness ranging from 30 to 250 g.

154. The composition according to claim 153, wherein said composition has a hardness ranging from 30 to 200 g.

155. The composition according to claim 108, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

156. The composition according to claim 155, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

157. The composition according to claim 156, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula R_5COOR_6 in which R_5 is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and $R_5 + R_6 \geq 10$;
- synthetic ethers containing from 10 to 40 carbon atoms;
- C_8 to C_{26} fatty alcohols; and
- C_8 to C_{26} fatty acids.

158. The composition according to claim 156, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

159. The composition according to claim 108, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

160. The composition according to claim 159, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

161. The composition according to claim 108, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

162. The composition according to claim 161, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

163. The composition according to claim 162, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

164. The composition according to claim 163, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

165. The composition according to claim 108, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

166. The composition according to claim 165, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

167. The composition according to claim 166, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

168. The composition according to claim 167, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

169. The composition according to claim 108, wherein said composition further comprises at least one additional fatty material.

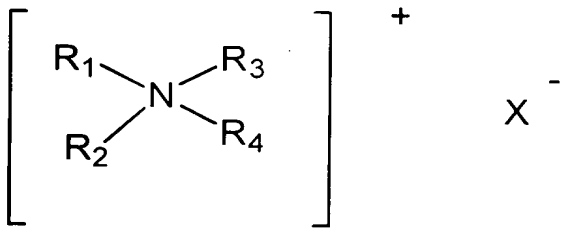
170. The composition according to claim 169, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

171. The composition according to claim 108, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds and fatty amines.

172. The composition according to claim 171, wherein said quaternary ammonium compounds are chosen from salts of quaternary ammonium compounds.

173. The composition according to claim 171, wherein said fatty amines are chosen from salts of fatty amines.

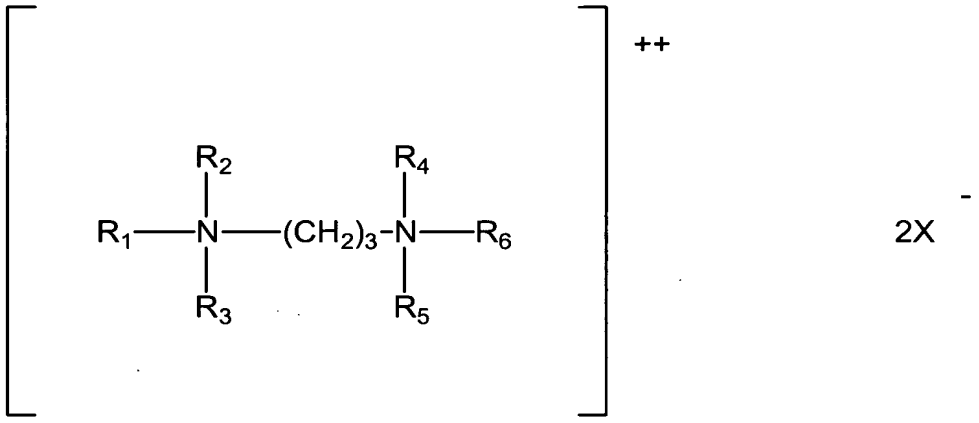
174. The composition according to claim 171, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R_1, R_2, R_3, and R_4 are each independently chosen from an aliphatic group of from 1 to 22 carbon atoms, C_1-C_3 alkyls, hydroxyalkyls, polyalkoxys, aromatic groups having from 12 to 22 carbon atoms, aryl groups having from 12 to 22 carbon atoms, and alkylaryl groups having from 12 to 22 carbon atoms; and

X is chosen from halogen, acetate, phosphate, nitrate, and alkylsulfate radicals.

175. The composition according to claim 171, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R_1 is an aliphatic group having from 16 to 22 carbon atoms; R_2, R_3, R_4, R_5, and R_6 are independently chosen from hydrogen and alkyl having from 1 to 4 carbon atoms; and X is chosen from halogens, acetates, phosphates, nitrates, and alkyl sulfate radicals.

176. The composition according to claim 175, wherein said quaternary ammonium salt is tallow propane diammonium dichloride.

177. The composition according to claim 172, wherein said salts of quaternary ammonium compounds are chosen from dialkyldimethyl-ammonium chlorides; ditallowdimethyl ammonium chloride; ditallowdimethyl ammonium methyl sulfate; dihexadecyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium chloride; dioctadecyl dimethyl ammonium chloride; dieicosyl dimethyl ammonium chloride; didocosyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium acetate; dihexadecyl dimethyl ammonium chloride, dihexadecyl dimethyl ammonium acetate; ditallow dipropyl ammonium phosphate; ditallow dimethyl ammonium nitrate; di(coconutalkyl) dimethyl ammonium chloride; diceltyl dimethyl ammonium chloride; stearyl dimethyl benzyl ammonium chloride; behenyl trimethyl ammonium chloride; and di-(hydrogenated tallow) dimethyl ammonium chloride.

178. The composition according to claim 171, wherein said fatty amines are chosen from salts of primary fatty amines, secondary fatty amines, and tertiary fatty amines.

179. The composition according to claim 171, wherein said fatty amines comprise alkyl groups having from 12 to 22 carbon atoms.

180. The composition according to claim 179, wherein said fatty amines are substituted.

181. The composition according to claim 171, wherein said fatty amines are chosen from stearamido propyl dimethyl amine, diethyl amino ethyl stearamide, dimethyl stearamine, dimethyl soyamine, soyamine, tridecyl amine, ethyl stearylamine, ethoxylated stearylamine, dihydroxyethyl stearylamine, and arachidylbehenylamine.

182. The composition according to claim 173, wherein said salts of fatty amines are chosen from halogens, actetates, phosphates, nitrates, citrates, lactates, and alkyl sulfates.

183. The composition according to claim 182, wherein said salts of fatty amines are chosen from stearylamine hydrochloride, soyamine chloride, stearylamine formate, N-tallowpropane diaminedichloride, and stearamidopropyl dimethylamine citrate.

184. The composition according to claim 171, wherein said quaternary ammonium compounds are chosen from quaternary imidazolinium compounds.

185. The composition according to claim 184, wherein said quaternary imidazolinium compounds are chosen from
1-methyl-1-[(stearoylamide)ethyl]-2-heptadecyl-4,5-dihydroimidazolinium chloride,
1-methyl-1-[(palmitoylamide)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride and
1-methyl-1-[(tallowamide)-ethyl]-2-tallow-imidazolinium methyl sulfate.

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186. The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

187. The composition according to claim 1, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 10% by weight of the total weight of said composition.

188. The composition according to claim 187, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 5.0% by weight relative to the weight of the composition.

189. The composition according to claim 188, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.5% to 2.0% by weight relative to the weight of the composition.

190. The composition according to claim 108, wherein the composition is in a form chosen from a fluid gel, rigid gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

191. The composition according to claim 108, wherein said composition is a solid.

192. The composition according to claim 191, wherein said composition is a solid chosen from molded and poured sticks.

193. The composition according to claim 108, further comprising at least one fatty alcohol.

194. The composition according to claim 193, wherein said at least one fatty alcohol is chosen from C_8 to C_{26} fatty alcohols.

195. The composition according to claim 194, wherein said at least one fatty alcohol is chosen from C_{12} to C_{20} fatty alcohols.

196. The composition according to claim 195, wherein said C_{12} to C_{20} fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

197. The composition according to claim 193 wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

198. The composition according to claim 197 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

199. The composition according to claim 198 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

200. The composition according to claim 108, further comprising at least one oil-soluble polymer.

201. The composition according to claim 200, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

202. The composition according to claim 200 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

203. The composition according to claim 202 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

204. The composition according to claim 203 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

205. A composition according to claim 108, further comprising at least one oil-soluble ester.

206. The composition according to claim 205 wherein the at least one oil-soluble ester comprises at least one free hydroxy group.

207. The composition according to claim 205 wherein the at least one oil-soluble ester is not castor oil.

208. The composition according to claim 205 wherein the at least one oil-soluble ester is present in a concentration ranging from 10% to 84% by weight, relative to the weight of the composition.

209. The composition according to claim 208 wherein the at least one oil-soluble ester is present in a concentration ranging from 20% to 70% by weight, relative to the weight of the composition.

210. The composition according to claim 108, further comprising at least one wax.

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211. The composition according to claim 210 wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides

212. The composition according to claim 210, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

213. An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

214. The anhydrous composition according to claim 213, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

215. The anhydrous composition according to claim 214, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

216. The anhydrous composition according to claim 215, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

217. The anhydrous composition according to claim 216, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

218. The anhydrous composition according to claim 214, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

219. The anhydrous composition according to claim 218, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

220. The anhydrous composition according to claim 219, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

221. The anhydrous composition according to claim 214, wherein said at least one terminal fatty chain is functionalized.

222. The anhydrous composition according to claim 214, wherein said at least one pendant fatty chain is functionalized.

223. The anhydrous composition according to claim 214, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

224. The anhydrous composition according to claim 223, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

225. The anhydrous composition according to claim 213, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

226. The anhydrous composition according to claim 225, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

227. The anhydrous composition according to claim 226, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

228. The anhydrous composition according to claim 227, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 20,000.

229. The anhydrous composition according to claim 228, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 2000 to 10,000.

230. The anhydrous composition according to claim 213, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

231. The anhydrous composition according to claim 230, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 60 carbon atoms.

232. The anhydrous composition according to claim 213, wherein said at least one hydrocarbon based repeating unit is chosen from saturated and unsaturated hydrocarbon-based units which are chosen from linear hydrocarbon-based repeating units, branched hydrocarbon-based repeating units and cyclic hydrocarbon-based repeating units.

233. The anhydrous composition according to claim 213, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

234. The anhydrous composition according to claim 233, wherein said at least one hetero atom is a nitrogen atom.

235. The anhydrous composition according to claim 233, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

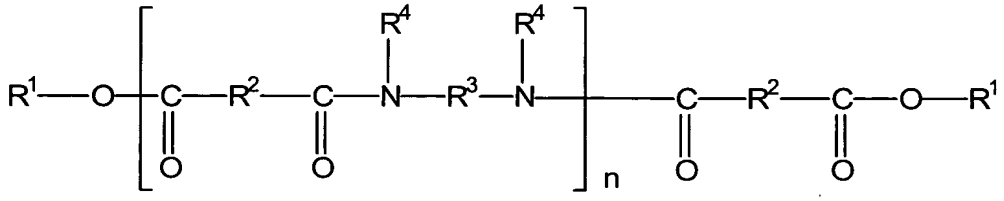
236. The anhydrous composition according to claim 235, wherein said at least one hetero atom group further comprises a carbonyl group.

237. The anhydrous composition according to claim 235, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

238. The anhydrous composition according to claim 237, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

239. The anhydrous composition according to claim 237, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

240. The anhydrous composition according to claim 213, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



(I)

in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R^1, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R^2, which are identical or different, are each chosen from C_4 to C_{42} hydrocarbon-based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon-based groups;

- R^3 , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R^3 comprises at least 2 carbon atoms; and

- R^4, which are identical or different, are each chosen from hydrogen atoms, C_1 to C_{10} alkyl groups and a direct bond to at least one group chosen from R^3 and another R^4 such that when said at least one group is chosen from another R^4, the nitrogen atom to which both R^3 and R^4 are bonded forms part of a heterocyclic structure defined in part by R^4-N-R^3, with the proviso that at least 50% of all R^4 are chosen from hydrogen atoms.

241. The anhydrous composition according to claim 240, wherein in said formula (I), n is an integer ranging from 1 to 5.

242. The anhydrous composition according to claim 241, wherein in said formula (I), n is an integer ranging from 3 to 5.

243. The anhydrous composition according to claim 240, wherein in said formula (I), said alkyl groups of R^1 and said alkenyl groups of R^1 each independently comprise from 4 to 24 carbon atoms.

244. The anhydrous composition according to claim 243, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{12} to C_{22} alkyl groups.

245. The anhydrous composition according to claim 244, wherein in said formula (I), R^1, which are identical or different, are each chosen from C_{16} to C_{22} alkyl groups.

246. The anhydrous composition according to claim 240, wherein in said formula (I), R^2, which are identical or different, are each chosen from C_{10} to C_{42} hydrocarbon based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon based groups.

247. The anhydrous composition according to claim 246, wherein at least 75% of all R^2, which are identical or different, are chosen from C_{30} to C_{42} hydrocarbon based groups.

248. The anhydrous composition according to claim 240, wherein in said formula (I), R^3, which can be identical or different, are each chosen from C_2 to C_{36} hydrocarbon-based groups and polyoxyalkylene groups.

249. The anhydrous composition according to claim 248, wherein R^3, which can be identical or different, are each chosen from C_2 to C_{12} hydrocarbon-based groups.

250. The anhydrous composition according to claim 240, wherein in said formula (I), R^4, which can be identical or different, are each chosen from hydrogen atoms.

251. The anhydrous composition according to claim 250, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

252. The anhydrous composition according to claim 213, wherein said at least one structuring polymer has a softening point greater than 50°C.

253. The anhydrous composition according to claim 252, wherein said at least one structuring polymer has a softening point ranging from 65°C to 190°C.

254. The anhydrous composition according to claim 253, wherein said at least one structuring polymer has a softening point ranging from 70°C to 130°C.

255. The anhydrous composition according to claim 254, wherein said at least one structuring polymer has a softening point ranging from 80°C to 105°C.

256. The anhydrous composition according to claim 213, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

257. The anhydrous composition according to claim 256, wherein said at least one structuring polymer is present in the composition in an amount

ranging from 2% to 60% by weight relative to the total weight of the composition.

258. The anhydrous composition according to claim 257, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

259. The anhydrous composition according to claim 213, wherein said composition has a hardness ranging from 30 to 300 g.

260. The anhydrous composition according to claim 259, wherein said composition has a hardness ranging from 30 to 250 g.

261. The anhydrous composition according to claim 260, wherein said composition has a hardness ranging from 30 to 200 g.

262. The anhydrous composition according to claim 213, wherein said at least one liquid fatty phase of the composition comprises at least one oil.

263. The anhydrous composition according to claim 262, wherein said at least one oil is chosen from at least one polar oil and at least one apolar oil.

264. The anhydrous composition according to claim 263, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula R_5COOR_6 in which R_5 is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and $R_5 + R_6 \geq 10$;
- synthetic ethers containing from 10 to 40 carbon atoms;
- C_8 to C_{26} fatty alcohols; and
- C_8 to C_{26} fatty acids.

265. The anhydrous composition according to claim 263, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin.

266. The anhydrous composition according to claim 213, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

267. The anhydrous composition according to claim 266, wherein said at least one non-volatile oil is chosen from hydrocarbon-based oils of mineral, plant and synthetic origin, synthetic esters and ethers, and silicone oils.

268. The anhydrous composition according to claim 213, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

269. The anhydrous composition according to claim 268, wherein said at least one liquid fatty phase is present in an amount ranging from 5% to 95.5% by weight relative to the total weight of the composition.

270. The anhydrous composition according to claim 269 wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

271. The anhydrous composition according to claim 270, wherein said at least one liquid fatty phase is present in an amount ranging from 20% to 75% by weight relative to the total weight of the composition.

272. The anhydrous composition according to claim 213, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

273. The anhydrous composition according to claim 272, wherein said at least one volatile solvent is present in an amount up to 95.5% relative to the total weight of the composition.

274. The anhydrous composition according to claim 273, wherein said at least one volatile solvent is present in an amount ranging from 2% to 75% relative to the total weight of the composition.

275. The anhydrous composition according to claim 274, wherein said at least one volatile solvent is present in an amount ranging from 10% to 45% relative to the total weight of the composition.

276. The anhydrous composition according to claim 213, wherein said composition further comprises at least one additional fatty material.

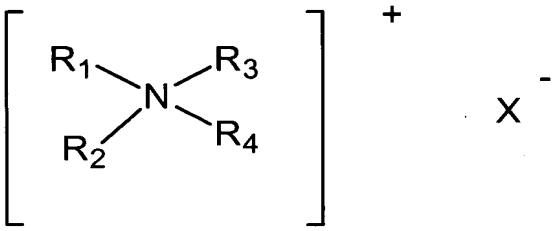
277. The anhydrous composition according to claim 276, wherein said at least one additional fatty material is chosen from gums, fatty materials pasty at ambient temperature, and resins.

278. The anhydrous composition according to claim 213, wherein said at least one oil-soluble cationic surfactant is chosen from quaternary ammonium compounds and fatty amines.

279. The anhydrous composition according to claim 278, wherein said quaternary ammonium compounds are chosen from salts of quaternary ammonium compounds.

280. The anhydrous composition according to claim 278, wherein said fatty amines are chosen from salts of fatty amines.

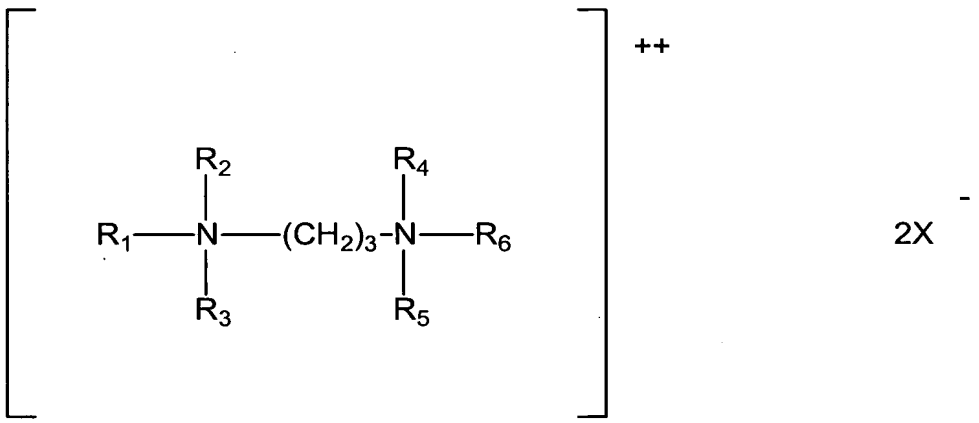
281. The anhydrous composition according to claim 278, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R_1, R_2, R_3, and R_4 are each independently chosen from an aliphatic group of from 1 to 22 carbon atoms, C_1-C_3 alkyls, hydroxyalkyls, polyalkoxys, aromatic groups having from 12 to 22 carbon atoms, aryl groups having from 12 to 22 carbon atoms, and alkylaryl groups having from 12 to 22 carbon atoms; and

X is chosen from halogen, acetate, phosphate, nitrate, and alkylsulfate radicals.

282. The anhydrous composition according to claim 278, wherein said quaternary ammonium compounds are chosen from quaternary ammonium salts of the formula



wherein R_1 is an aliphatic group having from 16 to 22 carbon atoms; R_2, R_3, R_4, R_5, and R_6 are independently chosen from hydrogen and alkyl having from 1 to 4 carbon atoms; and X is chosen from halogens, acetates, phosphates, nitrates, and alkyl sulfate radicals.

283. The anhydrous composition according to claim 282, wherein said quaternary ammonium salt is tallow propane diammonium dichloride.

284. The anhydrous composition according to claim 279, wherein said salts of quaternary ammonium compounds are chosen from dialkyldimethyl-ammonium chlorides; ditallowdimethyl ammonium chloride; ditallowdimethyl ammonium methyl sulfate; dihexadecyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium chloride; dioctadecyl dimethyl

ammonium chloride; dieicosyl dimethyl ammonium chloride; didocosyl dimethyl ammonium chloride; di(hydrogenated tallow) dimethyl ammonium acetate; dihexadecyl dimethyl ammonium chloride, dihexadecyl dimethyl ammonium acetate; ditallow dipropyl ammonium phosphate; ditallow dimethyl ammonium nitrate; di(coconutalkyl) dimethyl ammonium chloride; diceltyl dimethyl ammonium chloride; stearyl dimethyl benzyl ammonium chloride; behenyl trimethyl ammonium chloride; and di-(hydrogenated tallow) dimethyl ammonium chloride.

285. The anhydrous composition according to claim 278, wherein said fatty amines are chosen from salts of primary fatty amines, secondary fatty amines, and tertiary fatty amines.

286. The anhydrous composition according to claim 278, wherein said fatty amines comprise alkyl groups having from 12 to 22 carbon atoms.

287. The anhydrous composition according to claim 286, wherein said fatty amines are substituted.

288. The anhydrous composition according to claim 278, wherein said fatty amines are chosen from stearamido propyl dimethyl amine, diethyl amino ethyl stearamide, dimethyl stearamine, dimethyl soyamine, soyamine, tridecyl amine, ethyl stearylamine, ethoxylated stearylamine, dihydroxyethyl stearylamine, and arachidylbehenylamine.

289. The anhydrous composition according to claim 280, wherein said salts of fatty amines are chosen from halogens, actetates, phosphates, nitrates, citrates, lactates, and alkyl sulfates.

290. The anhydrous composition according to claim 289, wherein said salts of fatty amines are chosen from stearylamine hydrochloride, soyamine chloride, stearylamine formate, N-tallowpropane diaminedichloride, and stearamidopropyl dimethylamine citrate.

291. The anhydrous composition according to claim 278, wherein said quaternary ammonium compounds are chosen from quaternary imidazolinium compounds.

292. The anhydrous composition according to claim 291, wherein said quaternary imidazolinium compounds are chosen from 1-methyl-1-[(stearoylamide)ethyl]-2-heptadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[(palmitoylamide)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride and 1-methyl-1-[(tallowamide)-ethyl]-2-tallow-imidazolinium methyl sulfate.

293. The anhydrous composition according to claim 213, wherein said at least one oil-soluble cationic surfactant is lauryl methyl gluceth-10-hydroxypropyl dimmonium chloride.

294. The anhydrous composition according to claim 213, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 10% by weight of the total weight of said composition.

295. The anhydrous composition according to claim 294, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.1% to 5.0% by weight relative to the weight of the composition.

296. The anhydrous composition according to claim 295, wherein said at least one oil-soluble cationic surfactant is present in an amount ranging from 0.5% to 2.0% by weight relative to the weight of the composition.

297. The anhydrous composition according to claim 213, wherein the composition is in a form chosen from a fluid gel, rigid gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

298. The anhydrous composition according to claim 213, wherein said composition is a solid.

299. The anhydrous composition according to claim 298, wherein said composition is a solid chosen from molded and poured sticks.

300. The composition according to claim 213, further comprising at least one fatty alcohol.

301. The composition according to claim 300, wherein said at least one fatty alcohol is chosen from C_8 to C_{26} fatty alcohols.

302. The composition according to claim 301, wherein said at least one fatty alcohol is chosen from C_{12} to C_{20} fatty alcohols.

303. The composition according to claim 302, wherein said C_{12} to C_{20} fatty alcohols are chosen from myristyl alcohol, cetyl alcohol, stearyl alcohol and behenyl alcohol.

304. The composition according to claim 300, wherein the at least one fatty alcohol is present in a concentration ranging from 0.1% to 15.0% by weight, relative to the weight of the composition.

305. The composition according to claim 304 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 10.0% by weight, relative to the weight of the composition.

306. The composition according to claim 305 wherein the at least one fatty alcohol is present in a concentration ranging from 0.5% to 8.0% by weight, relative to the weight of the composition.

307. The composition according to claim 213, further comprising at least one oil-soluble polymer.

308. The composition according to claim 307, wherein said at least one oil-soluble polymer is chosen from alkylated guar gums and alkyl celluloses.

309. The composition according to claim 307 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.05% to 10% by weight, relative to the weight of the composition.

310. The composition according to claim 309 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 5% by weight, relative to the weight of the composition.

311. The composition according to claim 310 wherein the at least one oil-soluble polymer is present in a concentration ranging from 0.1% to 3% by weight, relative to the weight of the composition.

312. A composition according to claim 213, further comprising at least one oil-soluble ester.

313. The composition according to claim 312 wherein the at least one oil-soluble ester comprises at least one free hydroxy group.

314. The composition according to claim 312 wherein the at least one oil-soluble ester is not castor oil.

315. The composition according to claim 312 wherein the at least one oil-soluble ester is present in a concentration ranging from 10% to 84% by weight, relative to the weight of the composition.

316. The composition according to claim 315 wherein the at least one oil-soluble ester is present in a concentration ranging from 20% to 70% by weight, relative to the weight of the composition.

317. The composition according to claim 213, further comprising at least one wax.

318. The composition according to claim 317 wherein said at least one wax is chosen from carnauba wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, paraffin waxes, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, silicone waxes, ozokerites, hydrogenated jojoba oil, fatty acid esters, and fatty acid ester glycerides

319. The composition according to claim 317, wherein said at least one wax is present at a concentration of up to 3% relative to the total weight of said composition.

320. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom with the proviso that said at least one hetero atom is not nitrogen; and

(ii) at least one oil-soluble cationic surfactant.

321. A mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, an eyeshadow, a face powder, a concealer product, a nail composition, a shampoo, a conditioner, an anti-sun product or a care product for the skin, lips, or hair comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, blusher, lipstick, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product,

nail composition, shampoo, conditioner, antisun product or care product for the skin, lips, or hair which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

322. The composition according to claim 321, wherein said composition is a solid.

323. An anhydrous deodorant comprising:

at least one liquid fatty phase in said deodorant which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

324. The composition according to claim 323, wherein said composition is a solid.

325. A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase in said composition which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

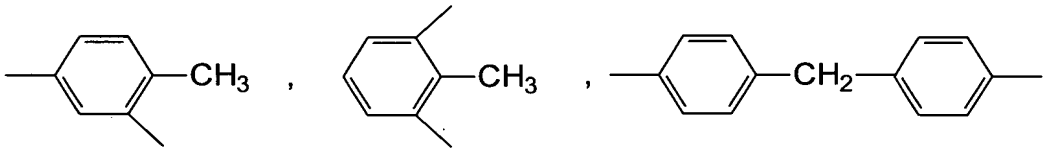
326. A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one oil-soluble cationic surfactant, and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100,000 in said lipstick, said at least one continuous liquid fatty phase, said at least one oil-soluble cationic surfactant, and said at least one non-waxy structuring polymer being present in said lipstick composition.

327. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from urea urethanes having the following formula:

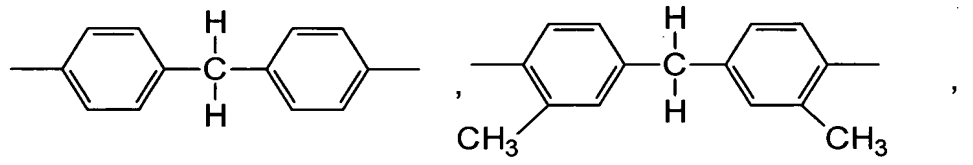
R-O-CO-NH-R'-NH-CO-NH-R"-NH-CO-NH-R'-NH-CO-OR

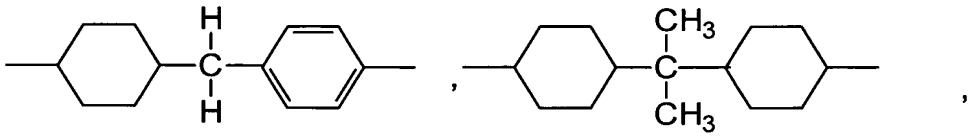
wherein R represents C_nH_{2n+1}-, wherein n represents an integer having a value greater than 22 or $C_mH_{2m+1}(OC_pH_{2p})_r$ -, wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10; R' represents:

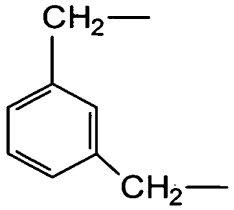


or —$(CH_2)_6$—

and R" represents:







, —CH_2—CH_2— , —$(CH_2)_6$— or

—$(CH_2)_{12}$— .

; and

(ii) at least one oil-soluble cationic surfactant.

328. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

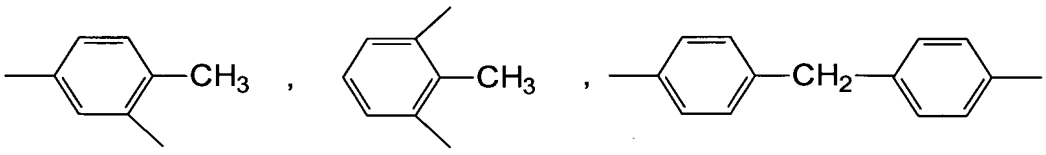
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant,

wherein said at least one structuring polymer does not include

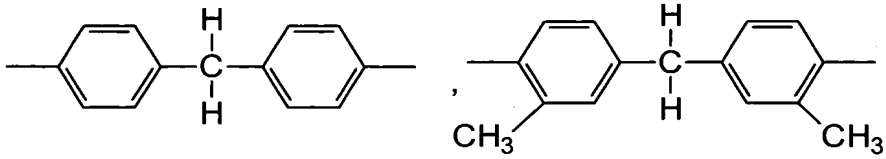
R-O-CO-NH-R'-NH-CO-NH-R"-NH-CO-NH-R'-NH-CO-OR

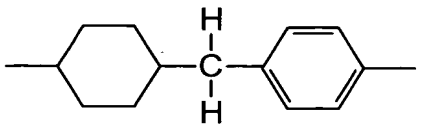
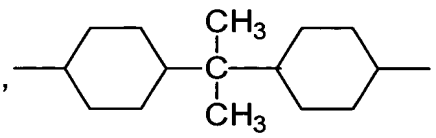
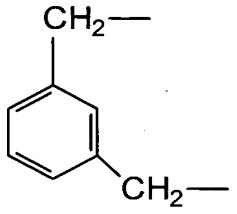
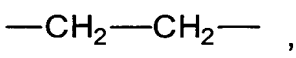
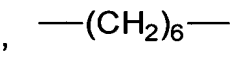
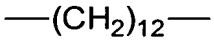
wherein R represents C_nH_{2n+1}- or C_mH_{2m+1} $(C_pH_{2p}O)_r$ -; n represents an integer having a value of from 4 to 22; m represents an integer having a value of from 1 to 18; p represents an integer having a value of from 2 to 4; and r represents an integer having a value of from 1 to 10; R' represents:



or —$(CH_2)_6$—

and R" represents:



329. A make up, care, or treatment composition for the skin or lips comprising a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one oil-soluble cationic surfactant, and at least one coloring agent.

330. A treatment, care or make-up composition for keratinous fibers comprising a structured composition containing at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one oil-soluble cationic surfactant, and at least one coloring agent.

331. A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising

at least one hetero atom, wherein the at least one structuring polymer further comprises at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups and at least one oil-soluble cationic surfactant.

332. A composition according to claim 331, wherein said at least one structuring polymer may also comprise at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via bonded to any carbon or hetero atom of the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one pendant fatty chain is chosen from branched alkyl groups.

333. A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one pendant fatty chain is chosen from branched alkyl groups and at least one oil-soluble cationic surfactant.

334. A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising applying to said keratin material of a cosmetic composition comprising:

at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

335. A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

336. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one oil-soluble cationic surfactant.

337. A method for providing at least one of resistance to shear and stability to a cosmetic composition, comprising including in said cosmetic composition a cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant,

and further wherein said at least one structuring polymer and said at least one oil-soluble cationic surfactant are present in a combined amount effective to provide at least one property chosen from resistance to shear and stability.

338. A make up, care, or treatment composition for the skin or lips comprising a structured composition comprising at least one liquid fatty phase in said make up, care, or treatment composition structured with at least one

structuring polymer comprising a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom, and at least one oil-soluble cationic surfactant.

339. The composition according to claim 6, wherein said at least one linking group is chosen from urea, ester, and amine groups.

340. The composition according to claim 339, wherein said at least one linking group is chosen from ester and amine groups.

341. The composition according to claim 113, wherein said at least one linking group is chosen from urea, ester, and amine groups.

342. The composition according to claim 341, wherein said at least one linking group is chosen from ester and amine groups.

343. The anhydrous composition according to claim 218, wherein said at least one linking group is chosen from urea, ester, and amine groups.

344. The anhydrous composition according to claim 343, wherein said at least one linking group is chosen from ester and amine groups.

345. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least three hydrocarbon-based repeating units comprising at least one hetero atom; and

(ii) at least one oil-soluble cationic surfactant.

346. A composition according to claim 345, wherein said at least three hydrocarbon-based repeating units are identical.